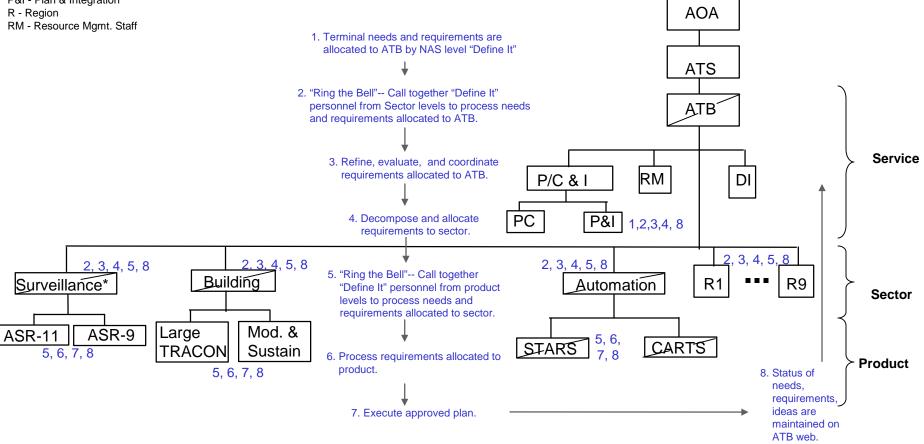
ATB Define It

Requirements Pass Down

DI - Deployment Support
PC - Program Control
P/C & I - Plan/Control & Integration
P&I - Plan & Integration
R - Region
RM - Resource Momt. Staff



Scenario 3 - Direction to Build New ATCT

DI - Deployment Support PC - Program Control P/C & I - Plan/Control & Integration P&I - Plan & Integration 1. ATB receives direction to build **AOA** R - Region new ATCT RM - Resource Mgmt. Staff 2. Review construction backlog, **ATS** priorities, age and condition of ATCT being replaced. 3. Gather input from sectors (requirements, impacts, interdependencies, etc.) Service P/C & I RM DI 4. Make recommendation on disposition of direction (place in priority list, clearly PC P&I 1,2,3,4, 6 articulated implications of decision, etc.) 3, 4 3,4 5. Make decision Building Surveillance* R9 Automation R1 Sector 6. If yes, revise ATB integrated plan Mod. & ASR-9 Large ASR-11 CARTS STARS TRACON Sustain **Product** 7. Execute plan

ATB -Define It (Overview)

Previous Process: On-going process for duration of ATB	Purpose/Definition: 1.) To elicit, and analyze customers needs and expectations. 2.)To derive a more detailed and precise set of requirements, and to manage those requirements throughout the service life cycle.	Next Process: On-going process for duration of ATB
Performing Agent(s): • ATB team with appropriate AT, AF, and union participation Input(s): External to Service • FAA goals • Time Phased NAS Architecture • Budget Constraints • NAS Operational Concepts • Service/capability shortfalls & gaps	Owner: ATB lead Sub-Processes: 1. Define It - Service Layer 2. Define It - Sector Layer 3. Define It - Product Layer Mote: TBD-ATP and other organizational coordination	Customer(s): • ATB team • NAS "define it" (eg ASD, ARS, ATP) Output(s): External to ATB • Impact Feedback Reviews, Audits & Controls: • Peer review, QA, risk management, product
Entry Criteria: • Formation of ATB	Training/Handbooks/Policy: AMS, FAST Needs, requirements, investment analysis, and other specialty domain training	management Exit Criteria: • ATB shutdown completed

5.0 ATB -Define It - Service Layer

Previous Process: On-going process for duration of ATB	Purpose/Definition: 1.) To elicit, analyze and communicate customers needs and expectations. 2.)To derive a more detailed and precise set of requirements, and to manage those requirements throughout the service life cycle.	Next Process: On-going process for duration of ATB
Performing Agent(s): • ATB staff with sector and AT & AF HQ, and union participation	Owner: ATB lead Sub-Processes: 5.1. Refine requirements allocated to service 5.2. Determine service shortfalls and gaps	Customer(s): • ATB team • NAS "define it" staffs (e.g. ASD, ARS, ATP, unions) Output(s):
Input(s): External to service: FAA goals & priorities Time Phased NAS requirements & arch. Budget constraints NAS operational concepts Internal to service: Service vision, priorities, criteria	 5.2. Determine service shortfalls and gaps 5.3. Assess risk 5.4. Derive service architecture structure and requirements 5.5. Determine service evolution 5.6. Assess interdependencies 5.7. Investment Analysis 5.8. Rank order needs based on criteria 5.9. Capture & Baseline Requirements,	External to ATB Impact feedback to NAS Internal to ATB Requirements allocated to sector Service architecture, evolution, priorities, risks, etc. Service priorities, ops cons, arch. & constraints Service needs, gaps & shortfalls
		Reviews, Audits & Controls: • Peer review, QA, risk mgmt., service management
 Entry Criteria: Requirement allocated from NAS or improvement potential identified from within service 	Training/Handbooks/Policy: AMS, FAST Needs, requirements, investment analysis, and other specialty domain training	Exit Criteria: • Decision to proceed

ATB - Define It - Service Layer Path 2 - Internal to Service Path 1 - External to Service Traffic growth projections Sector Feedback Service vision NAS Define It Performance Measures Refine FAA goals & priorities Determine service Needs, Ideas, Recommendations, allocated Allocated NAS requirements Suggestions, Problem reports consolidated NAS concept of ops shortfalls & gaps requirement NAS time-phased architecture Congressional mandates Validate internal "pop-ups", Service needs & gaps Derive service Evolution plan, Determine architecture alternatives considered. service evolution research required structure Sector architecture, architecture requirements, alternatives considered, concept of operations, performance targets & thresholds Assess risk Risk assessments (operational **Budget constraints** (Refine & coordinate and acquisition), user (Yearly funding, requirements) acceptance, budget, etc. budget & projections, OMB funding targets) Investment Solution alternative trade-offs Assess (cost, resources, acquisition, non-**Analysis** interdependencies material, schedules, affordability, etc.) Functional, operational & programmatic interdependencies, functional performance targets Rank order needs Impact feedback NAS Define It Service priorities & criteria based on criteria Prioritized requirements, impact to other priorities, requirements allocated to product Problem Report NAS Define It Requirements Changes Required No. Process Interface Capture & Baseline Sector requirements time-phased service CM Requirements Process Phase architecture, etc. Decision Point

Sector Define It

Shared Activity AFT